Name: Algebra 1 Period\_\_\_

Homework – Due Tuesday, November 24, 2015

For each one, find the value of c that will complete the square then write the resulting trinomial as the square of a binomial.

1. x2 + 14x + c
2. x2 – 2x + c
3. x2 + 18x + c
4. x2 + x + c
5. x2 + 17x + c

1. x2 – 20x + c
2. x2 – 5x + c

Based on today’s class and your homework, answer the following questions for the general statement:

x2 + bx + c = (x +d)2

1. How is the value of d related to the value of b?
2. How is the value of c related to the value of d?